

<!ELEMENT **mondial** (countriescategory, continentscategory, organizationscategory, seascategory, riverscategory, lakescategory, islandscategory, mountainscategory, desertcategory, airportcategory)>

<!ELEMENT **countriescategory** (country*)>

<!ELEMENT **continentscategory** (continent*)>

<!ELEMENT **organizationscategory** (organization*)>

<!ELEMENT **seascategory** (sea*)>

<!ELEMENT **riverscategory** (river*)>

<!ELEMENT **lakescategory** (lake*)>

<!ELEMENT **islandscategory** (island*)>

<!ELEMENT **mountainscategory** (mountain*)>

<!ELEMENT **desertcategory** (desert*)>

<!ELEMENT **airportcategory** (airport*)>

<!ELEMENT **country** (name+, localname?, population+, population_growth?, infant_mortality?, gdp_total?, gdp_agri?, gdp_ind?, gdp_serv?, inflation?, unemployment?, (indep_date|dependent)?, government?, encompassed*, ethnicgroup*, religion*, language*, border*, (province+|city+))>

<!ATTLIST country car_code ID #IMPLIED

area CDATA #IMPLIED

capital IDREF #IMPLIED

memberships IDREFS #IMPLIED>

<!ELEMENT name (#PCDATA)>

<!ELEMENT localname (#PCDATA)>

<!ELEMENT area (#PCDATA)>

<!ELEMENT population (#PCDATA)>

<!-- note that population is also a subelement of city -->

<!ATTLIST population year CDATA #IMPLIED

measured CDATA #IMPLIED>

<!ELEMENT population_growth (#PCDATA)>

<!ELEMENT infant_mortality (#PCDATA)>

<!ELEMENT gdp_total (#PCDATA)>

<!ELEMENT gdp_ind (#PCDATA)>

<!ELEMENT gdp_agri (#PCDATA)>

<!ELEMENT gdp_serv (#PCDATA)>

<!ELEMENT inflation (#PCDATA)>

<!ELEMENT unemployment (#PCDATA)>

<!ELEMENT indep_date (#PCDATA)>

<!ATTLIST indep_date from CDATA #IMPLIED>

<!-- usually idref to a country, but not always (e.g. "Ottoman Empire") -->

<!ELEMENT dependent EMPTY>

<!ATTLIST dependent country IDREF #REQUIRED>

<!ELEMENT government (#PCDATA)>

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<!ELEMENT encompassed EMPTY>
  <!ATTLIST encompassed continent IDREF #REQUIRED
    percentage CDATA #REQUIRED>
<!ELEMENT ethnicgroup (#PCDATA)>
  <!ATTLIST ethnicgroup percentage CDATA #REQUIRED>
<!ELEMENT religion (#PCDATA)>
  <!ATTLIST religion percentage CDATA #REQUIRED>
<!ELEMENT language (#PCDATA)>
  <!ATTLIST language percentage CDATA #REQUIRED>
<!ELEMENT border EMPTY>
  <!ATTLIST border country IDREF #REQUIRED
    length CDATA #REQUIRED>

<!ELEMENT province (name+, localname?, area?, population*, city*)>
<!-- division administrative principale, ex. : état, région, ... -->
<!-- attention, les villes ne sont définies que dans une province -->
  <!ATTLIST province id ID #REQUIRED
    country IDREF #REQUIRED
    capital IDREF #IMPLIED>

<!ELEMENT city (name+, localname?, latitude?, longitude?, elevation?, population*, located_at*,
located_on*)>
  <!ATTLIST city id ID #REQUIRED
    is_country_cap CDATA #IMPLIED
    is_state_cap CDATA #IMPLIED
    country IDREF #REQUIRED
    province IDREF #IMPLIED>
<!ELEMENT longitude (#PCDATA)>
<!ELEMENT latitude (#PCDATA)>
<!ELEMENT elevation (#PCDATA)>
<!ELEMENT height (#PCDATA)> <!-- height of a dam -->
<!ELEMENT located_at EMPTY>
  <!ATTLIST located_at watertype (river|sea|lake) #REQUIRED
    river IDREFS #IMPLIED
    sea IDREFS #IMPLIED
    lake IDREFS #IMPLIED>
<!ELEMENT located_on EMPTY>
  <!ATTLIST located_on island IDREF #REQUIRED>

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<!ELEMENT organization (name, abbrev, established?, members*)>
  <!ATTLIST organization id ID #REQUIRED
    headq IDREF #IMPLIED>
<!ELEMENT abbrev (#PCDATA)>
<!ELEMENT established (#PCDATA)>
<!ELEMENT members EMPTY>
  <!ATTLIST members type CDATA #REQUIRED
    country IDREFS #REQUIRED>

<!ELEMENT continent (name, area)>
  <!ATTLIST continent id ID #REQUIRED>

<!ELEMENT lake (name+, located*, to?, area?, latitude?, longitude?, elevation?, depth?, height?)>
  <!ATTLIST lake id ID #REQUIRED
    country IDREFS #REQUIRED
    island IDREF #IMPLIED
    salinity CDATA #IMPLIED
    type (saline|acid|artificial|dam|caldera|crater|impact|naturaldam|asphalt) #IMPLIED>

<!ELEMENT sea (name+, located*, area?, depth?)>
  <!ATTLIST sea id ID #REQUIRED
    country IDREFS #REQUIRED
    bordering IDREFS #IMPLIED>

<!ELEMENT river (name+, located*, through*, to?, area?, length?, source?, estuary?)>
  <!ATTLIST river id ID #REQUIRED
    country IDREFS #REQUIRED
    island IDREF #IMPLIED>

<!ELEMENT length (#PCDATA)>
<!ELEMENT depth (#PCDATA)>
<!ELEMENT to EMPTY>
  <!ATTLIST to watertype (river|sea|lake) #REQUIRED
    water IDREF #REQUIRED>
<!ELEMENT through EMPTY>
  <!ATTLIST through lake IDREFS #REQUIRED>
<!ELEMENT source (mountains?, located*, from?, latitude?, longitude?, elevation?)>
  <!ATTLIST source country IDREFS #REQUIRED>
<!ELEMENT from EMPTY>
  <!ATTLIST from watertype (river|sea|lake) #REQUIRED
    water IDREFS #REQUIRED>
  <!-- a river may flow from a lake or one or more rivers -->
<!ELEMENT estuary (located*, latitude?, longitude?, elevation?)>
  <!ATTLIST estuary country IDREFS #REQUIRED>
<!ELEMENT located EMPTY>
  <!ATTLIST located country IDREF #REQUIRED
    province IDREFS #IMPLIED>

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```
<!ELEMENT desert (name+, located*, area?, latitude?, longitude?)>
  <!ATTLIST desert id ID #REQUIRED
    country IDREFS #REQUIRED
    type (sand|rocks|lime|salt|ice) #IMPLIED>
```

```
<!ELEMENT island (name+, islands?, located*, area?, latitude?, longitude?, elevation?)>
  <!ATTLIST island id ID #REQUIRED
    sea IDREFS #IMPLIED
    lake IDREF #IMPLIED
    river IDREFS #IMPLIED
    country IDREFS #REQUIRED
    type (volcanic|coral|atoll|lime) #IMPLIED>
<!ELEMENT islands (#PCDATA)>
```

```
<!ELEMENT mountain (name+, mountains?, located*, latitude?, longitude?, elevation?)>
  <!ATTLIST mountain id ID #REQUIRED
    country IDREFS #REQUIRED
    island IDREF #IMPLIED
    type (volcanic|volcano|monolith|granite) #IMPLIED
    last_eruption CDATA #IMPLIED>
<!ELEMENT mountains (#PCDATA)>
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```
<!ELEMENT airport (name+, latitude, longitude, elevation?, gmtOffset, located_on?)>
  <!ATTLIST airport iatacode NMTOKEN #REQUIRED
    city IDREF #IMPLIED
    country IDREF #REQUIRED>
<!ELEMENT gmtOffset (#PCDATA)>
```